



**SEQUENCE LISTING**

<110> Gaudet, Daniel  
Rioux, John D.  
Arsenault, Steve  
Hudson, Thomas J.  
Daly, Mark J.

## <120> Glycerol As A Predictor of Glucose Tolerance

<130> 2825.1022-003

<140> US 09/694,088  
<141> 2000-10-20

<150> US 60/161,141  
<151> 1999-10-22

<160> 19

<170> FastSEQ for Windows Version 4.0

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<211> 60  
<212> DNA  
<213> Unknown

<220>

<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 13 of exon 3

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<210> 2  
<211> 48  
<212> DNA  
<213> Unknown

<220>

<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 17 of intron 8

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taatggtaaa aaacaaacaa amaaacaaaa aacacaccaa aaaaccaa

<210> 3

<211> 94  
<212> DNA  
<213> Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 29 of exon 10

&lt;400&gt; 3

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ataagggttgg ttttaataa aatgattaa gtca 94

&lt;210&gt; 4

&lt;211&gt; 58

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

<223> Partial nucleic acid sequence of the GK gene comprising a polymorphic site at nucleotide position 22 of intron 12

&lt;400&gt; 4

gaaaattggtg agtgtgttct aacaaaagkt tagaaaaatct gaaaaatgac acatttca 58

&lt;210&gt; 5

&lt;211&gt; 8079

&lt;212&gt; DNA

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Glycerol kinase gene

&lt;221&gt; misc\_feature

&lt;222&gt; 2214, 2215, 2216, 2217

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 5

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<210> 6  
<211> 41  
<212> PRT  
<213> Unknown

&lt;220&gt;

&lt;223&gt; GK N288D mutant

&lt;400&gt; 6

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Leu	Cys	Asp	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
														30	
Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
									35	40					

&lt;210&gt; 7

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 7

Phe	Gln	Ile	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1														15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Asp	His	Gly	Leu	Leu
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Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
									35	40					

&lt;210&gt; 8

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Rat

&lt;400&gt; 8

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1														15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
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Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
									35	40					

&lt;210&gt; 9

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Unknown

&lt;220&gt;

&lt;223&gt; Mouse

&lt;400&gt; 9

Phe	Gln	Asp	Gly	Gln	Ala	Lys	Asn	Thr	Tyr	Gly	Thr	Gly	Cys	Phe	Leu
1														15	
Leu	Cys	Asn	Thr	Gly	His	Lys	Cys	Val	Phe	Ser	Glu	His	Gly	Leu	Leu
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Thr	Thr	Val	Ala	Tyr	Lys	Leu	Gly	Arg							
									35	40					

<210> 10  
 <211> 39  
 <212> PRT  
 <213> E. coli

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 20 25 30  
 Thr Thr Ile Ala Cys Gly Pro  
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<210> 11  
 <211> 39  
 <212> PRT  
 <213> Pseudomonas aeruginosa

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 Val Glu Pro Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Leu  
 1 5 10 15  
 Leu Met His Thr Gly Asp Lys Ala Val Lys Ser Thr His Gly Leu Leu  
 20 25 30  
 Thr Thr Ile Ala Cys Gly Pro  
 35

<210> 12  
 <211> 39  
 <212> PRT  
 <213> Enterococcus casseliflavus

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 1 5 10 15  
 Val Met Asn Thr Gly Glu Glu Pro Gln Leu Ser Asp Asn Asp Leu Leu  
 20 25 30  
 Thr Thr Ile Gly Tyr Gly Ile  
 35

<210> 13  
 <211> 41  
 <212> PRT  
 <213> Haemophilus influenzae

<400> 13  
 Val His Ala Gly Gln Ala Lys Asn Thr Tyr Gly Thr Gly Cys Phe Met  
 1 5 10 15  
 Leu Leu His Thr Gly Asn Lys Ala Ile Thr Ser Lys Asn Gly Leu Leu  
 20 25 30  
 Thr Thr Ile Ala Cys Asn Ala Lys Gly  
 35 40

<210> 14  
 <211> 39  
 <212> PRT

<213> *Bacillus subtilis*

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 1 5 10 15  
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 20 25 30  
 Thr Thr Ile Ala Trp Gly Ile  
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<210> 15

<211> 41

<212> PRT

<213> *Saccharomyces cerevisiae*

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 20 25 30  
 Thr Thr Leu Ala Phe Trp Phe Pro His  
 35 40

2  
 ~  
 <210> 16

<211> 41

<212> PRT

<213> *Mycoplasma genitalium*

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 20 25 30  
 Thr Thr Val Ala Trp Gln Leu Glu Asn  
 35 40

<210> 17

<211> 39

<212> PRT

<213> *Enterococcus faecalis*

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 20 25 30  
 Thr Thr Ile Gly Tyr Gly Ile  
 35

<210> 18

<211> 41

<212> PRT

<213> *Mycoplasma pneumoniae*

&lt;400&gt; 18

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Leu Met Asn Ile Gly Asn Glu Leu Lys Tyr Ser Gln His Asn Leu Leu  
20 25 30  
Thr Thr Val Ala Trp Gln Leu Glu Asn  
35 40

&lt;210&gt; 19

&lt;211&gt; 41

&lt;212&gt; PRT

&lt;213&gt; Synechocystis PCC6803

&lt;400&gt; 19

Asp Arg Pro Gly Leu Leu Lys Cys Thr Tyr Gly Thr Gly Ala Phe Leu  
1 5 10 15  
Val Ala Asn Thr Gly Gln Thr Val Thr Arg Ser Gln His Arg Leu Leu  
20 25 30  
Ser Thr Val Ala Trp Thr Gln Thr Asn  
35 40